

Ying Zhang, PhD

Home and Campus Addresses

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Education

BS	Computational Mathematics, Fudan University, China	1985
MS	Computational Mathematics, Fudan University, China	1988
MS	Applied Mathematics, Florida State University	1994
PhD	Statistics, University of Washington	1998

Academic Appointments

07/2019 – current	Professor & Chair, Department of Biostatistics, University of Nebraska Medical Center
08/2020 – current	Professor & Acting Chair, Department of Epidemiology, University of Nebraska Medical Center
01/2014 – 06/2019	Professor & Director of Graduate Education, Department of Biostatistics, Indiana University
07/2010 - 06/2014	Professor, Department of Biostatistics, Program of Health Informatics and Program of Applied Mathematics, The University of Iowa
07/2004 – 06/2010	Associate Professor, Department of Biostatistics, The University of Iowa College of Public Health
08/1998 – 06/2004	Assistant Professor, Department of Statistics and Actuarial Science, University of Central Florida
06/1997 – 09/1997	Applied Statistician, Applied Statistics Group, The Boeing Company
09/1988 – 07/1991	Lecturer, Department of Mathematics, Fudan University, China

Honors and Awards

2018 Elected Fellow of the American Statistical Association (ASA)

2008 “Quality of Life Award” by the Oncology Nursing Society Press for the paper “Transition from Treatment to Survivorship: Effects of a Psychoeducational Intervention on Quality of Life in

Breast Cancer Survivors”

- 2008 “Faculty Teaching Award” by the College of Public Health, University of Iowa
- 1997 “Z.W. Birnbaum award for excellence in dissertation proposal”; awarded by the Department of Statistics, University of Washington, 10/1997.
- 1997 “Recognition Award” for Outstanding Performance: awarded by Boeing Company
- 1982 Fellowship for Outstanding Academic Performance; awarded by Fudan University

Memberships and Offices in Professional Societies

1998-	American Statistical Association	Member
1998-	International Chinese Statistical Association	Member Board of Director 2013-2016
2003-	International Biometrics Society, Eastern North American Region	Member
2015-2017	ICSA Midwest Chapter	Treasurer

Editorships

<u>Year</u>	<u>Publication</u>
2005-2010	Journal of Computational Statistics and Simulation (Associate Editor)
2019-	Statistical Theory and Related Fields (Associate Editor)

Review Panels

<u>Year</u>	<u>Title</u>
2005	The Continuation of the Dialysis Access Consortium (DCA) Clinical Trial [8 U01 NIH panel review]
2006	University of Iowa review committee for MPSFP program
2010	NIH RO1-RFA-AI-10-014 “Ancillary Studies in Immunomodulation Clinical Trials”
2015	Department of Army, Military Medical Research and Development on “Clinical Translation Award”
2016	Program review for the Division of Intramural Research in NIH/NIEHS

Referee Manuscripts

<u>Year</u>	<u>Title</u>
1998	Journal of the Royal Statistical Society, Series B
1999	Scandinavian Journal of Statistics
2000	Journal of Statistical Software
2001	Journal of the Nonparametric Statistics
2001	Biometrika
2002	Journal of American Statistical Association

2002	Biometrika
2003	Journal of Computational Statistics and Data Analysis
2004	Biometrika
2004	Journal of Computational Statistics and Data Analysis
2004	Statistics in Medicine
2005	Lifetime Analysis
2006	Journal of the Royal Statistical Society, Series B
2006	Annals of Statistics (3)
2006	Statistic Sinica
2007	Annals of Statistics (2)
2007	Biometrika
2007	Statistic Sinica
2008	Journal of Time Series Analysis
2009	Biometrika
2009	Statistica Sinica
2009	Journal of Statistical Computation and Simulation (2)
2009	Statistics in Medicine
2010	Biometrics
2010	International Journal of Biostatistics
2010	Journal of Computational and Graphical Statistics
2010	Biometrika
2010	Canadian Journal of Statistics
2011	Canadian Journal of Statistics
2012	Journal of American Statistical Association
2012	Biometrical Journal
2012	PLOS- ONE
2012	Canadian Journal of Statistics
2014	Journal of American Statistical Association
2014	Biometrika
2015	Journal of Multivariate Analysis
2015	Biometrics
2016	Journal of American Statistical Association (2)
2016	Journal of Computational and Graphical Statistics
2016	Biometrika (2)
2016	Lifetime Data Analysis
2016	Biometrics
2017	Statistics in Medicine
2017	International Statistical Review
2018	Statistical Science

Organize Conference, Paper Session, etc.

<u>Year</u>	<u>Title</u>
2002	Chair in session “Nonparametric Statistics” for JSM, New York
2007	Organizer and Chair in invited session “Statistical Methods in HIV Research” for IMST 2007, FIM XV, Shanghai, China
2010	Organizing committee of Workshop on “From probability to statistics and back: high-dimensional models and processes”, Seattle, WA.
2011	Organizing two sessions for Applied Statistics Symposium of Chinese Statistics Professional Association, New York, NY
2015	ICSA Midwest Chapter Conference

2016	JSM-2016, Program Committee, ICSA Representative
2016	ICSA Midwest Chapter Conference
2016	The 10 th ICSA Program Committee
2017	The Program Committee for the 2017 ICSA China Conference: with the Focus on Lifetime Data
2018	The Committee Chair of Young Researcher Award for the 2018 ICSA Conference: with the Focus on Data Science
2019	Organizing two invited sessions for the 2019 ICSA China Conference
2019	Chair an invited session for JSM “Impact of Using Surrogate Endpoints on Drug Development”
2020	Chair of Scientific Program Committee for the 2020 ICSA China Conference

Committee Assignments (list service on departmental, medical staff, college, medical center, and university committees since appointment or last promotion; note years of service and chairs)

University of Central Florida

2004-13	Biostatistics MS and PhD Curriculum Committee, member
2004-13	Biostatistics PhD Examination Committee, member
2006-09	Biostatistics Seminar Committee, Fall Chair

University of Central Florida

2000-2002	Departmental Computing Equipment Committee
2000-2002	Departmental Undergraduate Study Committee
2000-2002	Department Data Mining Program Committee
2001	College Teaching Incentive Program Committee
2003	Departmental Computing Equipment Committee
2003	Department Data Mining Program Committee
2003	Departmental Graduate Study Committee

University of Iowa

2004-06	Biostatistics Admissions Committee (Chair)
2004-05	CPH Curriculum Committee, member
2005-08	CPH Faculty Council, member
2006-08	Biostatistics Admissions & Recruitment Committee
2006-08	CPH Seminar Committee
2007-08	Faculty Search Committee
2007-08	Biostatistics Departmental Self-Study Committee
2008-09	Biostatistics Recruitment Committee
2008-09	Biostatistics MS & Ph.D Curriculum Committee

2008-09	Biostatistics Seminar Committee (Chair)
2008-09	Biostatistics Ph.D Comprehensive Exam Committee
2009-10	Biostatistics Ph.D Comprehensive Exam Committee
2009-10	Biostatistics Seminar Committee (Chair)
2009-10	Biostatistics MS & Ph.D Curriculum Committee
2009-10	Biostatistics Admissions Committee
2010-11	Biostatistics Ph.D Comprehensive Exam Committee
2010-11	Biostatistics MS & Ph.D Curriculum Committee
2010-11	Biostatistics Admissions Committee
2011-13	Biostatistics MS Comprehensive Exam Committee, Chair (Fall)
2011-13	Biostatistics Ph.D Comprehensive Exam Committee
2011-13	Biostatistics MS & Ph.D Curriculum Committee
2011-13	Biostatistics Admissions Committee
2012-13	Biostatistics Recruitment Committee for Research Track

Indiana University

2014-2019	Biostatistics Admissions Committee
2014-2019	Ph.D committee, School of Public Health
2014-2016	University Fellowship Committee
2014-2019	Director of Graduate Education, Department of Biostatistics
2014-2019	Ph.D curriculum committee, Department of Biostatistics
2016-2019	FSPH faculty executive committee
2016-2019	FSPH P & T committee
2016-2017	Biostatistics Faculty Recruitment Committee

Publications (#: Ph.D advisee; &: Supervised Student)

Statistical Methodology

1. Wellner JA and **Zhang Y**. Two estimators of the mean of a counting process with panel count data. Annals of Statistics. 28:779-814, 2000.
2. **Zhang Y**, Liu W, Zhan Y. A nonparametric two-sample test of the failure functions with interval censoring Case 2. Biometrika. 38:677-686, 2001.
3. **Zhang Y**. A semiparametric pseudolikelihood estimation method for panel count data. Biometrika. 89:39-48, 2002.
4. **Zhang Y**. and Jamshidian M. The gamma-frailty Poisson model for the nonparametric estimation of panel count data. Biometrics. 59:1099-1106, 2003.

5. **Zhang Y**, Liu W, Wu H. A simple nonparametric two-sample test for the distribution function of event time with interval censored data. Journal of Nonparametric Statistics. 15:643-652, 2003.
6. Wellner JA, **Zhang Y**, Liu H. A semiparametric regression model for panel count data: when do pseudo-likelihood estimators become badly inefficient? Proceedings of the Second Seattle Biostatistical Symposium: Analysis of Correlated Data. 2004.
7. **Zhang Y**. and Jamshidian M. On algorithms for NPMLE of the failure function with censored data. The Journal of Computational and Graphical Statistics. 13:123-140, 2004.
8. Liu W, Jamshidian M, **Zhang Y**. Multiple comparison of several linear regression models. Journal of the American Statistical Association. 99:395-403, 2004.
9. Ahmad I, Liu W, **Zhang Y**. On the finite sample behavior of testing whether new is better than used of a specific age. Metrika. 60:287-294, 2004.
10. Liu W, Jamshidian M, **Zhang Y**, Bretz F. Constant width simultaneous confidence bands in multiple linear regression with predictor variable constrained in interval. Journal of Statistical Computation and Simulation. 75:425-436, 2005.
11. Liu W, Jamshidian M, **Zhang Y**, Donnelly J. Simulation-based simultaneous confidence in multiple linear regression with predictor variables constrained in interval. The Journal of Computational and Graphical Statistics. 14:459-484, 2005
12. **Zhang, Y**. Nonparametric K-sample tests with panel count data. Biometrika. 93:777-790, 2006.
13. Huang, C-Y, Wang, M-C, and **Zhang Y**. Analyzing panel count data with informative observation times. Biometrika. 93:763-775, 2006.
14. Liu W, Jamshidian M, **Zhang Y**, Bretz, F., and Han, X.L. Some new methods for the comparison of two linear regression models. The Journal of Statistical Planning and Inference. 137:57-67, 2007.
15. Liu, W., Jamshidian, M., **Zhang, Y.**, Bretz, F., and Han, X.L. Pooling batches in drug stability study by using constant-width simultaneous confidence bands. Statistics in Medicine. 26:2759-2771, 2007.
16. Wellner JA. and **Zhang Y**. Two likelihood-based semiparametric estimation methods for panel count data with covariates. Annals of Statistics. 35:2106-2142, 2007.
17. Lu M.#, **Zhang Y.**, and Huang J. Estimation of the mean function with panel count data using monotone polynomial splines. Biometrika. 94:705-718, 2007.
18. Zhang W.#, Chaloner K., Cowles, M.K., **Zhang Y.**, and Stapleton J.T. A Bayesian pooled analysis of doubly censored data using a hierarchical Cox model. Statistics in Medicine. 27:529-542, 2008.
19. Zhang W.#, **Zhang, Y.**, Chaloner K., and Stapleton J. Imputation methods for doubly censored HIV data. Journal of Statistical Computation and Simulation. 79:1245-1257, 2009.

20. Lu, M.#, **Zhang, Y.**, and Huang, J. Semiparametric estimation methods for panel count data using monotone B-splines. Journal of the American Statistical Association. 104:1060-1070, 2009.
21. Zhang, S.#, **Zhang, Y.**, Chaloner, K. and Stapleton, J. A Copula model for bivariate hybrid censored survival data with application to the MACS study. Lifetime Data Analysis. 16:231-249, 2010.
22. **Zhang, Y.** and Clarke, W. A Flexible Futility Monitoring Method with Time-Varying Conditional Power Boundary. Journal of the Society for Clinical Trials. 7:209-218, 2010.
23. **Zhang, Y.**, Hua, L.#, and Huang, J. A spline-based semiparametric maximum likelihood estimation method for the Cox model with interval-censored data. Scandinavian Journal of Statistics. 37:338-354, 2010.
24. Cheng, G.#, **Zhang, Y.**, and Lu, L. Efficient algorithms for computing the non- and semi-parametric maximum likelihood estimates of panel count data. Journal of Nonparametric Statistics. 23:567-579, 2011.
25. Hua, L.# and **Zhang, Y.** Spline-based semiparametric projected generalized estimating equation method for panel count data. Biostatistics. 13 (3): 440-454, 2012.
26. Wu, Y. # and **Zhang, Y.** Partially Monotone Tensor Spline Estimation of the Joint Distribution Function with Bivariate Current Status Data. Annals of Statistics. 40 (3): 1609-1636, 2012.
27. Jiang, DF.&, Huang, J. and **Zhang, Y.** The cross-validated AUC for MCP-logistic regression with high-dimensional data. Statistical Methods for Medical Research. 22(5): 505-518, 2013.
28. Lourens, S.#, Zhang, Y., Long, JD., Paulsen, JS. Bias in estimation of a mixture of normal distributions. J Biomet Biostat. 4:179, 2013. doi 10:4172/21556180.1000179.
29. Hua, L.#, **Zhang, Y.**, Tu, W. Spline-based semiparametric sieve likelihood method for over-dispersed panel count data. The Canadian Journal of Statistics. 42(2):217-245, 2014.
30. Lourens, S.#, **Zhang, Y.**, Long, JD. And Paulsen, JS. Analysis of longitudinal censored semicontinuous data with application to the study of executive dysfunction: the Towers Task. Statistical Methods for Medical Research. 26(2): 865-879, 2017. First published on November 2014. doi: 10.1177/0962280214560187
31. Zhang J.#, **Zhang Y.**, Chaloner K., and Stapleton JT. A sequential classification rule based on multiple quantitative tests in the absence of a gold-standard. Statistics in Medicine. 35: 1359-1372, 2016.
32. **Zhang Y.**, Cheng, G.# and Tu, W. Robust nonparametric estimation of monotone regression function with interval-censored observations. Biometrics. 72: 720-730, 2016.
33. Su, X., Wijayasinghe, CS., Fan, J., and **Zhang, Y.** Sparse estimation of proportional hazards models via approximated information criteria. Biometrics. 72: 751-759, 2016.

34. Zhao, XQ. and **Zhang, Y.** Asymptotic normality of nonparametric M-estimators with applications to hypothesis testing for panel count data. Statistica Sinica. 27:931-950, 2017.
35. Wu, H.&, **Zhang, Y.**, and Long, JD. A longitudinal beta-binomial model using GEE method for over-dispersed binomial data. Statistics in Medicine. 36: 1029-1040, 2017.
36. Zhu, L., **Zhang, Y.**, Li, Y., Sun, J., and Robison, L. A semiparametric likelihood-based method for regression analysis of mixed panel-count data. Biometrics. 74: 488-497, 2018.
37. Zhao, H.#, **Zhang, Y.**, Zhao, X., and Yu, Z. A nonparametric regression model for panel count data analysis. Statistica Sinica. 29: 809-826, 2019.
38. Chu, C.#, **Zhang, Y.**, and Tu, W. Distribution-free estimation of local growth rates around interval censored anchoring events. Biometrics. 75: 463-474, 2019.
39. Bakoyannis, D., **Zhang, Y.**, and Yiannoutsos, C.T. Nonparametric inference for Markov process with missing absorbing state. Statistica Sinica. 29: 2083-2104, 2019.
40. Li, J.#, **Zhang, Y.**, Myers, LJ. And Bravata, DW. Power calculation in stepped-wedge cluster randomized trial with reduced intervention sustainability effect. Journal Biopharmaceutical Statistics. 29(4): 553-674, 2019.
41. Chu, C.#, **Zhang, Y.**, and Tu, W. Stochastic functional estimates in longitudinal models with interval-censored anchoring events. Scandinavian Journal of Statistics. 47 (3): 638-661, 2020. doi: 10.1111/sjos.12419.
42. Dong, J., Zhou, Y., **Zhang, Y.**, Flaherty, T., and Franz, D. A meta analysis for basic reproduction number of COVID-19 with applications in evaluating the effectiveness of isolation measures in different countries. Journal of Data Sciences. 18 (3): 496-510, 2020.
43. Li, J.#, **Zhang, Y.**, Bakovannis, G. and Gao, S. On shared gamma-frailty conditional Markov Model for semi-competing risks data. Statistics in Medicine. 39 (23): 3042-3058, 2020.
44. Bakoyannis, G., **Zhang, Y.** and Yiannoutsos, C. Semiparametric regression and risk Prediction with competing risks data under missing cause of failure. Lifetime Data Analysis. 26: 659-684, 2020. <https://doi.org/10.1007/s10985-020-09494-1>.
45. Park, J., Bakoyannis, G., **Zhang, Y.**, and Yiannoutsos, C. Semiparametric regression on cumulative incidence function with interval-censored competing risks data and missing event types. Biostatistics. 2021. <https://doi.org/10.1093/biostatistics/kxaa052>.
46. Wu, Y., **Zhang, Y.**, and Zhou, J.# A spline-based nonparametric analysis for interval-censored Bivariate survival data. Statistica Sinica. 2021. <https://doi.org/10.5705/ss.202019.0296>.

Scientific Collaboration

1. Aragon D, Clancy R, Sole ML, **Zhang Y**. Variable influencing outcomes in patients with elective aortic reconstruction. American Journal of Critical Care. 9(4):279-287, 2000.
2. Sole ML, Byers J, Ludy J, **Zhang Y**, Banta C, Brummel K. A multi-site survey of suctioning techniques and airway management practice (STAMP). American Journal of Critical Care. 12(3):220-232, 2003.
3. Coohy C. and **Zhang Y**. The role of men in chronic supervisory neglect. Child Maltreatment. 11:27-33, 2006.
4. Yang, J., Peek-Asa, C., Allareddy, V., Phillips, G., **Zhang, Y.**, and Cheng, G#. Patient and hospitalization characteristics associated with length of stay and hospital charges for pediatric sports-related injury hospitalizations in the United States, 2000-2003. Pediatrics. 119(4):e813-820, 2007.
5. Dow KM, McNees P, Loerzel VW, Su X, **Zhang Y**, and Hassey K. Transition from treatment to survivorship: effects of a psychoeducational intervention on quality of life in breast cancer survivors. Oncology Nursing Forum. 34:1-10, 2007.
6. Shell JA[&], Carolan M, **Zhang Y**, and Dow KM. The longitudinal effects of cancer treatment on sexuality in individuals with lung cancer. Oncology Nursing Forum. 35:73-79, 2008.
7. Easton, S.[&], Coohy, C., O'leary, P., **Zhang, Y.** and Hua, L. The effect of childhood sexual abuse on psychosexual functioning during adulthood. Journal of Family Violence. 26:41-52, 2011.
8. Day, J.[&], Policeni, B., Smoker, W., Dobre, M., **Zhang, Y.**, Leira, E., Davis, P., Chen, S., Olalde, H., and Adams, H. Prior statin use is not associated with an increased prevalence or degree of gradient-echo (GRE) lesions in patients with acute ischemic stroke or TA. Stroke. 42:354-358, 2011.
9. Coohy, C., Renner, L., Hua, L.[#], **Zhang, Y.**, and Whitney, S. Academic achievement despite child maltreatment: a longitudinal study. Child Abuse & Neglect. 35:688-699, 2011.
10. **Zhang, Y.**, Long, L.D., Mills, J.A., Warner, J.H., Lu, W.[#], Paulsen, J.S., and the PREDICT-HD Investigators and Coordinators of the Huntington Study Group. Indexing disease progression at study entry with individuals at-risk for Huntington disease. American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics. 156 (7): 751-763, 2011.
11. Harrington, D., Smith, M., **Zhang, Y.**, Carlozzi, N., Paulsen, J. and the PREDICT-HD Investigators and Coordinators of the Huntington Study Group. Cognitive domains that predict time to diagnosis in prodromal Huntington disease. Journal of Neurology, Neurosurgery, and Psychiatry. 83: 612-619, 2012
12. Biglan, KM., **Zhang, Y.**, Long, J., Geschwind, M., Kang, GA., Killoran, A., Lu, W.[#], McCusker, E., Mills, JA., Raymond, LA., Testa, C., Wojcieszek, J., Paulsen, JS. and the PREDICT-HD Investigators of the Huntington Study Group. Refining the diagnosis of Huntington Disease: the PREDICT-HD study. Frontiers in Aging Neuroscience. 5:12, 2013. doi . 10.3389/fnagi.2013.00012

13. Long, JD., Paulsen, JS., Marder, K., **Zhang, Y.**, Kim, JI., Mills, JA. Tracking motor impairments in the progression of Huntington Disease. Movement Disorders. 29(3): 311-319, 2014.
14. Yang, JZ., Cheng, G.#, **Zhang, Y.**, Covassin, T., Heiden, EO., Peek-Asa C. Influence of symptoms of depression and anxiety on injury hazard among collegiate football players. Research in Sports Medicine. 22(2): 147-160, 2014.
15. Paulsen, JS., Long, JD., Johnson, HJ., Aylward, EH., Ross, CA., Williams, JK., Nance, MA., Erwin, CJ., Westervel, HK., Harrington, DL., Bockholt, HJ., **Zhang, Y.**, McCusker, EA., Chiu, EM., Panegyres, PK. and PREDICT-HD Investigators and Coordinators of the Huntington Study Group. Clinical and biomarker changes in premanifest Huntington disease show trial feasibility: a decade of the PREDICT-HD study. Frontiers in Aging Neuroscience. 6:78, 2014. doi: 10.3389/fnagi.2014.00078.
16. Zhu, Y.&, Romitti, PA., Caspers, KM., Kim, SK., Mathews, KD., **Zhang, Y.**, Yang, M. and the MD STARnet. Genitourinary conditions receiving medical intervention in a population-based cohort of males with Duchenne/Becker muscular dystrophies. Muscle Nerve. 52(1): 22-27, 2015.
17. Paulsen, JS., Long, JD., Ross, CA., Harrington, DL., Erwin, CJ., Williams, JK., Westervelt, KH., Johnson, HJ., Aylward, EH., Bockholt, HJ., **Zhang, Y.**, Bockholt, HJ., Barker, RA., and the PREDICT-HD Investigators and Coordinators of the Huntington Study Group. Prediction of manifest of Huntington disease with clinical and imaging measures: A 12-year prospective observational study. The Lancet Neurology. 13:1193-1201,2014.
18. Conway, KC., Mathews, KD., Paramsothy, P., Oleszek, J., Trout, C., **Zhang, Y.**, Romitti, PA., and the MD STARnet. Neurobehavioral problems among males with dystrophinopathy using population-based surveillance data from the muscular dystrophy surveillance, tracking, and research network (MD STARnet). Journal of Developmental Behavioral Pediatrics. 36: 455-463, 2015.
19. Liu, D., Long, JD., **Zhang, Y.**, Raymond, LA., Marder, K., Rosser, A., McCusker, EA., Mills, JA., and Paulsen, JS. Motor onset and diagnosis in Huntington disease using the diagnostic confidence level. Journal of Neurology. 262:2691-2698, 2015.
20. Misiura, MB., Lourens, S., Long, J., Bockholt, J. Johnson, H., **Zhang, Y.**, Paulsen, JS., Turner, JA. and Predict-HD Investigators and Working Group. Cognitive control, leaning and clinical motor ratings are most highly associated with basal ganglia brain volumes in the premanifest Huntington's disease phenotype. Journal of the International Neuropsychological Society. 23(2): 159-170, 2017.
21. Xiao, S., Tang, YS., Kusumanchi, P., Stabler, SP., **Zhang, Y.**, and Antony, AC. Folate deficiency facilitates genomic integration of Human Papillomavirus type 16 (HPV16) DNA *in vivo* in a novel mouse model for rapid oncogenic transformation of human keratinocytes. Journal of Nutrition. 148(3): 389-400, 2018.
22. Breier, A., Liffick, E., Hummer, TA., Vohs, JL., Yang, Z., Mehdiyoun, NF., Visco, AC., Metzler, E., **Zhang, Y.**, and Francis, MM. Effects of 12-month, double-blind N-acetyl cysteine on symptoms, cognition and brain morphology in early phase schizophrenia spectrum disorders. Schizophrenia Research. 199: 395-402, 2018.

23. Francis, MM., Hummer, TA., Vohs, JL., Yung, MG., Visco, AC., Mehdiyoun, NF., Kulig TC., Um, M., Yang, Z., Motamed, M., Liffick, E., **Zhang, Y.**, and Breier, A. Cognitive effects of bilateral high frequency repetitive transcranial magnetic stimulation in early phase psychosis: A pilot study. Brain Imaging and Behavior. 13:852-861, <http://doi.org/10.1007/s11682-018-9902-4>, 2019.
24. Bravata, DM., Coffing, JM., Kansagara, D., Myers, J., Murphy, L., Homoya, B., Perkins, AJ., Snow, K., Quin, JA., **Zhang, Y.**, and Myers, LJ. Antithrombotics after bioprosthetic aortic valve replacement in the Veterans Health Administration System. JAMA, Surgery. 154(2); e185679. doi:10.1001/jamasurg.2018.4679, 2019.
25. Vest, JR., Menachemi, N., Grannis, S., Ferrell, J., Kasthurirathne, S., **Zhang, Y.**, Tong, Y., and Halverson, P. Impact of risk stratification on referrals and uptake of wraparound services to address social determinants: a stepped wedged trial. American Journal of Preventive Medicine. 56(4): e125-133, 2019.
26. Paulsen, J., Lourens, S., Kieburz, K., and **Zhang, Y.** Sample enrichment for clinical trials to show delay of onset in Huntington disease. Movement Disorders. 34(2): 274-280, 2019.
27. Bravata, DM., Myers, MD., Reeves, M., Cheng, EM., Baye, F., Ofner, S., Miech, EJ., Damush, T., Sico, JJ., Zillich, A. Phipps, M., Williams, LS., Chaturvedi, S., Johanning, J., Yu, Z., Perkins, AJ., **Zhang, Y.**, and Arling, G. Processes of care that are associated with reduced risk of death and recurrent stroke among a cohort of patients with a transient ischemic attack and non-severe ischemic stroke. JAMA Network Open. 2(7): e196716, doi:10.1001/jamanetworkopen.2019.6716, 2019.
28. Hirsh, AT., Miller, MM., Hollingshead, NA., Anastas, T., Carnell, ST., Lok, BC., Chu, C., **Zhang, Y.**, Robinson, ME., Kroenke, K., Ashburn-Narbo, L. A randomized controlled trial testing a virtual perspective-taking intervention to reduce race and SES disparities in pain care. PAIN. 160(10): 2229-2240, 2019.
29. Yang, K., **Zhang, Y.**, Saito, E., Rahman, S., Gupta, PC., Sawada, N., Tamakoshi, A., Gao, YT., Koh, WP., Shu, XO., Tsuji, I., Sadakane, A., Nakata, C., You, SL., Yuan, JM., Shin, MH., Chen, Y., Pan, WH., Pednekar, MS., Tsugane, S., Cai, H., Xiang, YB., Ozasa, K., Tomata, Y., Kanemura, S., Sugawara, Y., Wada, K., Wang, R., Ahn, YO., Yoo, KY., Ahsan, H., Chia, KS., Boffetta, P., Kang, D., Potter, JD., Inoue, M., Zheng, W., Nan, H. Association between educational level and total and cause-specific mortality: a pooled analysis of over 694,000 individuals in the Asia cohort consortium. BMJ Open. 9(8) e026225; doi: 10.1136/bmjopen-2018-026225, 2019.
30. Bravata, DM., Myers, LJ., Homoya, B., Miech, EJ., Rattray, NA., Perkins, AJ., **Zhang, Y.**, Ferguson, J., Myers, J., Cheatham, AJ., Murphy, L., Giacherio, B., Kumar, M., Cheng, E., Levine, DA., Sico, JJ., Ward, MJ., Damush, TM. The protocol-guided rapid evaluation of veterans experiencing new transient neurological symptoms (PREVENT) quality improvement programs: rationale and methods. BMC Neurology. 19:294; doi:10.1186/s12883-019-1517-x, 2019.
31. Koo, BB., Sico, JJ., Myers, LJ., Perkins, AJ., Levine, D., Miech, EJ., Damush, TM., Rattray, N., Homoya, B., Ferguson, J., Myers, J., **Zhang, Y.**, Bravata, DM. Polysomnography utilization in veterans presenting acutely with ischemic stroke or TIA. Cerebrovascular Diseases. 48:179–183; doi: 10.1159/000504406, 2019.

32. Bravata, DM., Myer, LJ., Perkins, AJ., **Zhang, Y.**, Miech, EJ., Rattray, NA., Penney, LS., Levine, DA., Sico, JJ., Cheng, EM., and Damush, TM. Effectiveness of the Protocol-Guided Rapid Evaluation of Veterans Experiencing New 1 Transient Neurological Symptoms (PREVENT) Quality Improvement Program: A Cluster Trial with Matched Controls. JAMA Network Open. 3(9):e2015920. <https://doi:10.1001/jamanetworkopen.2020.15920>, 2020.
33. Damush, TM., Miech, EJ., Rattray, NA., Homoya, B., Penney, LS., Cheatham, A., Baird, S., Myers, J., Austin, C., Myers, LJ., Perkins, AJ., **Zhang, Y.**, Giacherio, B., Kumar, M., Murphy, LD., Sico, JJ., and Bravata, DM. Implementation Evaluation of a Complex Intervention to Improve Timeliness of Care for Veterans with Transient Ischemic Attack. Journal of General Internal Medicine, <https://doi.org/10.1007/s11606-020-06100-w>, 2020.
34. Bravata DM, Perkins AJ, Myers LJ, Arling G, **Zhang Y**, Zillich, AJ, Reese L, Dysangco A, Agarwal R, Myers J, Austin C, Sexson A, Leonard, SJ, Dev S, Keyhani S. "Association of Intensive Care Unit Patient Load and Demand with Patient Mortality Rates In US Department of Veterans Affairs Hospitals During the COVID-19 Pandemic." JAMA Network Open (with editorial commentary). 4(1):e2034266. <https://doi:10.1001/jamanetworkopen.2020.34266>, 2021
35. Bravata, DM., Myers, LJ., Perkins, AJ., Keyhani, S., **Zhang, Y.**, Zillich, AJ. Dysangco, A., Reese, L., Agarwal, R., Dev, A., Myers, J., Austin, C., Sexson, A., Pratt, H., and Arling G. Heterogeneity in the COVID-19 experience across US Department of Veterans Affairs Facilities: an observational cohort study. BMJ Open. 11: eo44646. <https://doi:10.1136/bmjopen-2020-044646>, 2021.

Accepted

1. Sewell, D., Penney, J., Jay, M., **Zhang, Y.** and Paulsen, J. Predicting an optimal composite outcome variable for Huntington's disease clinical trials. Journal of Applied Statistics. Accepted.
2. Levine, D., Perkins, AJ., Sico, JJ., Myers, LJ., Phipps, MS., **Zhang, Y.**, Bravata, DM. Association between hospital factors, performance on process measures after transient ischemic attack, and 90-day ischemic stroke incidence. Stroke. Accepted.

Non-Peer-Reviewed

1. **Zhang Y.** A pseudo likelihood estimation method for panel count. Proceedings of the Statistical Computing Section 1-9, 1999.
2. Wellner JA and **Zhang Y.** Large sample theory of an estimator of the mean of a counting process. Technical Report No. 327, *Department of Statistics, University of Washington*.
3. Scholz F and **Zhang Y.** Confidence bounds for type 1 censored Weibull data including Covariates. *Boeing Technical Report, SSGTECH-97-025*.
4. Lu M.#, **Zhang Y.**, and Huang J. Semiparametric estimation methods for panel count data using monotone polynomial splines. Proceedings of Biometric Section, JSM, 275-282, 2006.

Book chapter

1. Huang, J., **Zhang, Y.**, and Hua, L.# (2012) Consistent Variance Estimation in Interval Censored Data. *Interval-Censored Time-to-Event Data: Methods and Applications*, eds Ding, Geng, Cheng, Jianguo Sun and Karl E. Peace, p 333-368

Electronic Publication

1. Jamshidian M, Liu W, **Zhang Y**, and Jamshidian F. SimReg: A Software Including Some Developments in Multiple Comparison and Simultaneous Confidence Bands for Linear Regression Models. Journal of Statistical Software 12, Issue 2, 2005.

Abstracts

1. Dow K.H., Loerzel V., **Zhang Y**, and McNees P. A targeted breast cancer education intervention (BCEI) for breast cancer survivors: An interim analysis. Oncology Nursing Forum, 32 (2): 432-432 35 Mar., 2005.
2. **Zhang Y**. and Clarke William. Statistical Considerations for the Carotid Occlusion Surgery Study Study (COSS). Clinical Trials, Vol 3. Supplement 1, 2006.
3. Dow K.H., McNees P, Loerzel V, and **Zhang Y**. Effectiveness of Psychoeducational Interventions for Breast Cancer Survivors: An Interim Analysis. Psycho-Oncology, 15 (1): S34 Suppl. S, Feb., 2006.

Submitted Publications

1. **Zhang, Y.**, Xu, Y.#, Bakoyannis, G., Wu, Y., and Huang, B. An OLS-based model-free Semiparametric estimator of causal treatment effect. Invited revision submitted to Journal of Nonparametric Statistics.
2. Li, L., Su, W., Yin, G., **Zhang, Y.**, and Zhao, X. Nonparametric inference for reversed mean models with panel count data. Submitted to Bernoulli.
3. Zhou, J.#, **Zhang, Y.**, and Tu, W. A Simplex R-Learner for Treatment Recommendation. Submitted to Statistics in Medicine.
4. Zhou, W., Bakoyannis, G., **Zhang, Y.**, and Yiannoutsos, C. Semiparametric Marginal Regression for Clustered Competing Risks Data with Missing Cause of Failure. Submitted to Biometrics.
5. **Zhang, Y.**, Zhou, J.#, Gehl, CR., Long, JD., Johnson, H., Magnotta, VA., Sewell, D., Shannon, K., Paulsen, JS. Mild cognitive impairment as an early landmark in Huntington disease. Submitted to Frontiers of Neurology.
6. Keyhani, S., Kelly, JD., Bent, S., Boscardin, WJ., Shlipak, M., Leonard, S., Abraham, A., Lum, E., Lau, N., Austin, C., Oldenburg, C., Zillich, A., Lopez, L., **Zhang, Y.**, Lietman, T., Bravata, D. A Telehealth-Based Randomized Controlled Trial: A Model for Outpatients Trials of Off-Label Medications During the COVID-19 Pandemic. Submitted to Clinical Trials: Journal of the Society for Clinical Trials.

Courses Taught

University of Nebraska Medical Center

Spring 2021	Bios-902: Advanced Biostatistics Theory-II
Fall 2020	Bios-901: Advanced Biostatistics Theory-I
Spring 2020	Bios-986 Advanced Topic: Advanced Biostatistics Theory-II
Fall 2019	Bios-986 Advanced Topic: Advanced Biostatistics Theory-I

Indiana University-Courses Taught

Fall 2014	PBHL-B571 Biost. Method I- Linear Models in Public Health
Spring 2015	PBHL-B572 Biost. Method II- Categorical Data Analysis
Fall 2015	PBHL-B626 Advanced Likelihood Theory
Spring 2016	PBHL-B572 Biost. Method II- Categorical Data Analysis
Fall 2016	PBHL-B626 Advanced Likelihood Theory
Spring 2017	PBHL-B636 Advanced Survival Analysis
Fall 2017	PBHL-B626 Advanced Likelihood Theory
Fall 2017	PBHL-B573 Biost. Method III- Applied Survival Data
Fall 2018	PBHL-B626 Advanced Likelihood Theory

University of Iowa-Courses Taught

Design and Analysis of Experiments in Biomedical Studies	171:162
Introduction to Biostatistics	171:161
Statistical Data Mining in Public Health	171:230
Theory of Biostatistics I	171:251
Theory of Biostatistics II	171:252
Survival Data Analysis	171:261
Advanced Survival Data Analysis	171:271
Biostatistical Method in Categorical Data	171:203

University of Central Florida – Courses Taught

Statistical Theory I	Sta6326
Statistical Theory II	Stat6327
Quality Control	Sta4664
Statistical Methods II with Computer	Sta-4165
Statistical Methods I	Sta2023
Statistical Methods II	Sta4163
Biostatistical Methods (undergraduate level)	Sta4173
Biostatistical Methods (Graduate level)	Sta5704
Data Mining Methods II	Sta6704
Logistic Regression Model	Sta6938

Students Advised

Graduate Students- MS Biostatistics

Name	Degree Objective	Outcome
Laura Becker	MS, Biostatistics	Completed
Benjamin Doyle	MS, Biostatistics	Withdrew
Yang Lei	MS, Biostatistics	Completed
Shanshan Zhao	MS, Biostatistics	Completed
Junting Zheng	MS, Biostatistics	Completed
Zhiwei Wang	MS, Biostatistics	Completed
Li Liu	MS, Biostatistics	Completed

Gang Cheng	MS, Biostatistics	Completed
Hongqian Wu	MS, Biostatistics	Completed
Yaohui Zeng	MS, Biostatistics	Completed
Yicheng Sun	MS, Biostatistics	Completed
Mengyang Chen	MS, Biostatistics	Completed

University of Central Florida- MS Statistics

Name	Degree Objective	Outcome
Youngmei Chen	MS, Statistics	Completed
Mengxi Li	MS, Statistics	Completed
Lucy Luo	MS, Statistics	Completed
Kang Ying	MS, Statistics	Completed
Chao-Yen Wang	MS, Statistics	Completed
Di Zhou	MS, Statistics	Completed
Ting-Jung Kuo	MS, Statistics	Completed
Di Huang	MS, Statistics	Completed
Jin Liang	MS, Statistics	Completed

Dissertations/Thesis

Name	Degree Objective	Role	Outcome
Wei Zhang	PhD, Biostatistics	Co-Director	Conferred 2005
Bongin Yoo	PhD, Biostatistics	Dissertation Committee	Conferred 2005
Minggen Lu	PhD, Biostatistics	Director	Conferred 2007
Suhong Zhang	PhD, Biostatistics	Director	Conferred 2008
Yuan Wu	PhD, Applied Mathematics	Director	Conferred 2010
Qian Qiu	PhD, Health Management and Policy	Dissertation Committee	Withdrew
Chih-Lin Chi	PhD, Health Informatics	Dissertation Committee	Conferred 2009
Huilian Xie	PhD, Statistics	Dissertation Committee	Conferred 2007
Huaming Tan	PhD, Biostatistics	Dissertation Committee	Conferred 2007
John Zhu	PhD, Marketing	Dissertation Committee	Conferred 2009
Lei Hua	PhD, Biostatistics	Director	Conferred 2010
Gang Cheng	PhD, Biostatistics	Director	Conferred 2012
Jingyang Zhang	PhD, Biostatistics	Director	Conferred 2012
Xiongwen Tang	PhD, Statistics	Director	Conferred 2012
Dingfeng Jiang	Ph.D, Biostatistics	Dissertation Committee	Conferred 2012
Xiaoli Gao	PhD, Statistics	Dissertation Committee	Conferred 2008

Xingqiu Zhao	PhD, Statistics McMaster University, Canada	External Dissertation Committee	Conferred 2008
Carissa Rocheleau	PhD, Epidemiology	Dissertation Committee	Conferred 2009
Tianyang Zhang	Ph.D, Statistics	Dissertation Committee	Conferred 2010
Kun Chen	Ph.D, Statistics	Dissertation Committee	Conferred 2010
Yafang Li	Ph.D, Public Health Genetics	Dissertation Committee	Conferred 2011
Joan Xie	Ph.D, Biostatistics	Dissertation Committee	Conferred 2011
Spencer Lourens	Ph.D, Biostatistics	Director	Conferred 2015
Wenjing Lu	Ph.D, Biostatistics	Director	Conferred 2015
Ke Liu	Ph.D, Biostatistics	Director	Conferred 2015
Chenghao Chu	Ph.D, Biostatistics	Director	Conferred 2018
Jing Li	Ph.D, Biostatistics	Director	Conferred 2019
Yuanfang Xu	Ph.D, Biostatistics	Director	Conferred 2019
Ran Liao	Ph.D, Biostatistics	Dissertation Committee	Conferred 2016
Abdullah Masud	Ph.D, Biostatistics	Dissertation Committee	Conferred 2016
Mengjie Zheng	Ph.D, Biostatistics	Dissertation Committee	Conferred 2018
Junyi Zhou	Ph.D, Biostatistics	Director	Ongoing
Wenxian Zhou	Ph.D, Biostatistics	Co-Director	Ongoing
Yuanyuan Ji	Ph.D, Biostatistics	Director	Ongoing
Ruiqian Wu	Ph.D, Biostatistics	Director	Ongoing

Preceptorship

Name	Degree Objective	Role	Outcome
Yajun Zhu	MS, Biostatistics	Advisor	Completed 2006
Gang Cheng	MS, Biostatistics	Advisor	Completed 2008
Zhiguo Zhao	MS, Biostatistics	Advisor	Completed 2008
Changbin Du	MS, Biostatistics	Advisor	Completed 2008
Yuan Wu	MS, Biostatistics	Advisor	Completed 2009
Wenjing Lu	MS, Biostatistics	Advisor	Completed 2011
Ke Liu	MS, Biostatistics	Advisor	Completed 2012
Spencer Laurence	MS, Biostatistics	Advisor	Completed 2012
Hongqian Wu	MS, Biostatistics	Advisor	Completed 2013
Yicheng Sun	MS, Biostatistics	Advisor	Completed 2017
Mengyan Chen	MS, Biostatistics	Advisor	Completed 2018

University of Central Florida

Name	Degree Objective	Role	Outcome
Duc A. Tran	PhD, Computer	Dissertation Committee	Conferred 2003

Other Teaching

Formal Study to Improve Teaching Abilities

Year	Institution	Course Title
2000	University of Central Florida	A week-long teaching workshop: Effective Teaching

Grants

Expanding Expertise Through E-Health Network Development (EXTEND) QUERI

PI: Ying Zhang (10%) \$35,308

Funding Agency: The Richard L. Roudebush VAMC

Start and End Dates: 10/01/20-09/30/22

Adoption and Implementation of an Evidence-Based Safe Driving Program for High-Risk Teen Drivers \$3,168,163

PI: Ginger Yang

Site PI: Ying Zhang (UNMC) (10%)

Funding Agency: NIH-NICHHD (R01)

Start and End Dates: 09/08/20-08/30/25

Great Plains IDeA-CTR \$2,859,055

PI: Matt Rizzo

Co-Investigator: Ying Zhang (5%)

Funding Agency: NIH-NIGMS-DHHS

Start and End Dates: 08/01/19-06/30/21

Monitoring Real-World Driver Behavior for Classification and Early Prediction of Alzheimer's Disease \$675,251

PI: Matt Rizzo

Co-Investigator: Ying Zhang (10%)

Funding Agency: NIH-NIA-DHHS (R01)

Start and End Dates: 04/01/20-03/31/25

Intervention to Improve Driving Practices Among High-Risk Teen Drivers \$2,470,752

PI: Ginger Yang

Site PI: Ying Zhang (UNMC) (10%)

Funding Agency: NIH-NICHHD (R01)

Start and End Dates: 05/01/19-04/30/24

Diabetes Impact project-Indianapolis Neighborhoods

PI: Staten, Lisa \$7,000,000

Co-Investigator: Ying Zhang (10%)

Funding Agency: Lilly Corporation
Start and End Dates: 05/01/18-04/30/23
Support ends on 6/30/19

Statistical Disease Modeling and Clinimetrics to Prepare for
Preventive trials in Huntington Disease \$3,771,432
PI: Paulsen, Jane and Zhang, Ying (10%)
Funding Agency: NIH-NINDS (R01)
Start and End Dates: 07/01/17-03/31/22

Vitamin D and Opioid Consumption: From Real World Data to
Clinical Practice \$636,645
PI: Xin Li
Co-Investigator: Ying Zhang (10%)
Funding Agency: Grand Challenges Initiatives
Start and End Dates: 01/01/19-06/30/22
Support ends on 6/30/19

<p>Indiana University Melvin and Bren Simon Cancer Center Support Grant PI: Loehrer Co-Investigator: Ying Zhang (15%) Funding Agency: NIH-NCI Start and End Dates: 09/01/14-08/31/19 Support ends on 6/30/19</p>	<p>\$999,866</p>
<p>PRIS-M: Precision Monitoring to Transform Care PI: Damush Co-Investigator: Ying Zhang (10%) Funding Agency: VA HSR&D Queri Que Start and End Dates: 10/01/15-09/30/20</p>	<p>\$800,000</p>
<p>Virtual Perspective-Taking to Reduce Race and SES Disparities in Pain Care PI: Adam Hirsh Co-Investigator: Ying Zhang (8%) Funding Agency: NIH Start and End Dates: 7/1/14-4/30/19</p>	<p>\$1,839,213</p>
<p>Improving Population Health through Integrated Services and Advanced Analytics PI: Vest and Halverson Co-PI: Ying Zhang (10%) Funding Agency: Robert Wood Johnson Foundation Start and End Dates: 03/01/16-02/28/18</p>	<p>\$1,000,000</p>
<p>PREDICT HD: Neurobiological Predictors of Huntington's Disease-Biostatistics Core PI: Jane Paulsen Site-PI: Ying Zhang (20%) Funding Agency: NIH-NINDS Start and End Dates: 1/1/14-5/31/17</p>	<p>\$219,234</p>
<p>MD STARnet: Feasibility of Expansion to other Muscular Dystrophies PI: Paul Romitti Co-Investigator: Ying Zhang (10%) Funding Agency: CDC Start and End Dates: 09/1/12-08/31/13</p>	

<p>PREDICT HD: Neurobiological Predictors of Huntington's Disease-Biostatistics Core PI: Jane Paulsen Co-Investigator: Ying Zhang (50%) Funding Agency: NIH & CHDI Start and End Dates: 9/1/10-8/31/13</p>	<p>\$8,378,958</p>
<p>Network of Excellence in Neuroscience Clinical Trials (NEXT)-DCC PI: Chris Coffey Co-Investigator: Ying Zhang (10%) Funding Agency: NIH/NINDS Start and End Dates: 10/1/11-8/30/12</p>	<p>\$8,443,401</p>
<p>Pakinson's Progression Markers Initiative-Statistics Core PI: Chris Coffey Co-Investigator: Ying Zhang (10%) Funding Agency: The Michaels J. Fox Foundation for Parkinson's research Start and End Dates: 4/1/10-8/30/12</p>	<p>\$21,950.89</p>
<p>Social Support and Depression and Anxiety Following Injury in Collegiate Athletes; part of Injury Prevention Research Center PI: Ginger Yang Co-PI: Ying Zhang (5%) Funding Agency: CDC Start and End Dates: 9/1/07-8/31/12</p>	<p>\$297,273</p>
<p>Project PATH (Providers Advocating Team Health); Underage Drinking Building Health Care System Responses PI: James Hall Co-Investigator: Ying Zhang (10%) Funding Agency: NIH Start and End Dates: 09/30/06-06/30/09</p>	<p>\$348,107</p>
<p>The Impact of Supervisory Neglect on Peer Relationships, Behavior, and School Start and End Dates: 10/01/06-02/28/08</p>	<p>\$79,808</p>
<p>Carotid Occlusion Surgery Study PI: William Clarke. Co-Investigator: Ying Zhang (20%) Funding Agency: NIH-NINDS Start and End Dates: 12/1/07-4/30/11</p>	<p>\$5,558,894</p>
<p>Clinical Islet Transplantation: Data Coordinating Center PI: William Clarke Co-Investigator: Ying Zhang (10%) Funding Agency: NIH Start and End Dates: 9/30/04-7/31/09</p>	<p>\$21,197,251</p>

<p>Instructional Improvement Award University of Iowa PI: Zhang, Ying Start and End Dates: 2004-05</p>	<p>\$4,900</p>
<p>Home vs Center-Based Weight Loss & Exercise in Menopause PI: Karen Dennis Co-Investigator: Ying Zhang (10%) Funding Agency: NIH Start and End Dates: 4/2003-6/2008 (note: support ends in June 2004)</p>	<p>\$2,032,028</p>
<p>Quality of Life Intervention in Breast Cancer Survivor PI: Karen Dow Co-Investigator: Ying Zhang (13%) Funding Agency: NIH Start and End Dates: 9/2001-5/2005</p>	<p>\$1,600,000</p>
<p>Prostasin Serine Protease as a Breast Cancer Invasion Marker and a Metastasis Suppressor PI: Karl Chai Co-PI: Ying Zhang (5%) Funding Agency: US Army Start and End Dates: 7/2002-6/2005 (note: Ying Zhang's support ends in June 2004)</p>	<p>\$334,031</p>
<p>Nonparametric Maximum Likelihood Estimation of the Probability Distribution of Cancer Onset PI: Zhang, Ying Funding Agency: University In-House (Univ. Central Florida) 2001</p>	<p>\$7,498</p>
<p>Knowledge Discovery from Composite Lay-up Machine Data PI: Zhang, Ying Funding Agency: Florida Space Grant Consortium 1999</p>	<p>\$8000</p>

Invited Presentations (least to most recent)

<u>Year</u>	<u>Title</u>	<u>Organization</u>
1999	Nonparametric Estimation of a Counting Process with Panel Count Data	Dept of Statistics University of California, Davis
1999	Semiparametric Estimation of a Counting Process with Panel Count Data	Joint Statistical Meetings, Baltimore, MD.
2000	Introduction to Data Mining	Department of Mathematics Fudan University, China
2000	Nonparametric Estimation with Panel Count Data	Department of Statistics Fudan University, China

2002	The Asymptotics on Semiparametric M-Estimation	Department of Statistics University of Missouri-Columbia
2002	Semiparametric Pseudolikelihood Estimation Method with Panel Count Data	AMS Sectional Meeting; Orland, FL.
2003	A Gamma-Frailty Model for Panel Count Data	ENAR; Tampa, FL.
2005	A Simple Multiple Comparison Procedure for Linear Regression Lines	Biostatistics Seminar Department of Biostatistics University of Iowa
2005	Likelihood-based Semiparametric Estimation Methods for Panel Count Data with Covariates	Department of Statistics, Simon Fraser University, Vancouver, Canada
2005	Nonparametric Inference with Panel Count Data	Department of Statistics, University of British Columbia, Canada
2006	Likelihood-based Semiparametric Estimation Methods for Panel Count Data with Covariates	Department of Statistics and Actuarial Science Colloquium, University of Iowa
2006	Semiparametric Regression Model for Panel Count Data: Comparing Two Estimators (Wellner JA, Zhang Y)	IMS-WNAR Meeting Flagstaff, Arizona
2007	Inference on Association Measure for Bivariate Survival Data with Hybrid Censoring and Application to an HIV Study (Zhang Y, Zhang Suhong, and Chaloner K)	IMST Shanghai, China
2007	Semiparametric Analysis of Panel Count Data	Department of Statistics Beijing Normal University China
2007	Semiparametric Analysis of Panel Count Data	School of mathematics Fudan University China
2007	Inference on Association Measure for Bivariate Survival Data with Hybrid Censoring and Application to an HIV Study (Zhang Y, Zhang Suhong, and Chaloner K)	Institute of Biostatistics School of Life Science Fudan University China
2007	Semiparametric Analysis of Panel Count Data	Department of Epidemiology and Biostatistics University of Pennsylvania

2007	Semiparametric Analysis of Panel Count Data	Department of Biostatistics University of Wisconsin Madison, WI
2007	Semiparametric Analysis of Panel Count Data	Department of Mathematics and Statistics Northern Illinois University
2008	Semiparametric Analysis of Panel Count Data	Department of Biostatistics University of Michigan
2008	Semiparametric Analysis of Panel Count Data	Applied Mathematics University of Iowa
2008	Inference on Association Measure for Bivariate Survival Data with Hybrid Censoring and Application to an HIV Study (Zhang Y, Zhang Suhong, and Chaloner K)	The First International Symposium on Biopharmaceutical Statistics Shanghai, China
2008	Inference on Association Measure for Bivariate Survival Data with Hybrid Censoring and Application to an HIV Study	Survival Analysis Workshop Department of Statistics University of Missouri
2009	Spline-Based Sieve Semiparametric GEE Analysis of Panel Count Data	Department of Statistics Fudan University China
2009	Spline-Based Sieve Semiparametric GEE Analysis of Panel Count Data	Department of Mathematics Shanghai Jiao Tong University China
2009	Spline-Based Sieve Semiparametric GEE Analysis of Panel Count Data	Workshop on Modeling Indirectly or Imprecisely Observed Data Fields Institute Canada
2010	Partly Monotone Spline-Based Sieve Estimation with Bivariate Current Status Data	School of Mathematics Fudan University China
2010	Partly Monotone Spline-Based Sieve Estimation with Bivariate Current Status Data	Department of Mathematics Shanghai Jiao Tong University China
2011	Semiparametric Estimating Method for Over-Dispersed Panel Count Data	ENAR; Miami, FL
2011	Nonparametric Least-Squares Estimation for Tumor Growth Function	School of Mathematics Fudan University China
2011	Dancing with Statistics: Diagnosis of Huntington Disease with Predict-HD	Department of Biostatistics Fudan University China
2011	A Sequential Diagnostic Method Based on Multiple Diagnostic Tests without a Gold Standard	Department of Mathematics Shanghai Jiao Tong University China
2012	Classification with Multiple Tests without	Department of Epidemiology

	a Gold Standard	and Biostatistics Drexel University FACM
2012	A Nonparametric Least-Squares Estimation Method for Tumor Growth Function with Interval-censored Observations	Department of Mathematics New Jersey Institute of Technology
2013	Statistical Methods for Analyzing Panel Count Data	Department of Biostatistics University of Pittsburgh
2013	A Nonparametric Least-Squares Estimation Method for Tumor Growth Function with Interval-censored Observations	IMS-Chengdu, China
2013	Statistical Methods for Analyzing Panel Count Data	Department of Biostatistics Indiana University
2013	Statistical Methods for Analyzing Panel Count Data	Workshop on Frontier Problems in Statistics Shanghai Jiao Tong University
2014	Sieve Estimation for Bivariate Current Status Data	The Third International Symposium of Biostatistics Chengdu, China
2014	Statistical Methods for Analyzing Panel Count Data	Department of Mathematics and Statistics University of El Paso
2014	Sieve Estimation for Bivariate Current Status Data	Conference of Applied Statistics in Defense (CASD) Washington DC
2015	Statistical Methods for Analyzing Panel Count Data	Department of Mathematics and Statistics Wright State University
2016	Nonparametric Inference with Misclassified Competing Risks Data	Workshop on Frontiers of Statistics and Data Sciences Conference The Hong Kong Polytechnic University
2016	Nonparametric Inference with Misclassified Competing Risks Data	The 2 nd International Symposium on Data Driven Health and Medicine Shanghai Jiao Tong University
2016	Nonparametric Inference with Misclassified Competing Risks Data	Biostatistics Seminar Boehringer Ingelheim, China
2016	Nonparametric Inference with Misclassified Competing Risks Data	Department of Biostatistics Louisville University
2016	Nonparametric Inference with Misclassified Competing Risks Data	Department of Statistics University of Kentucky
2016	A joint model of an internal time-dependent covariate and bivariate time-to-event data with application to MD STAR _{net} Data	The 10 th ICSA International Symposium, Shanghai, China
2017	Two-Stage Semiparametric Analysis of Skeletal Growth Around Pubertal Growth Spurt with Interval-Censored	The 9 th EMR-IBS and Italian Region Conference, Thessaloniki, Greece

2017	Observations Two-Stage Semiparametric Analysis of Skeletal Growth Around Pubertal Growth Spurt with Interval-Censored Observations	School of Statistics East Normal University of China Shanghai, China
2017	A Nonparametric Regression Model for Panel Count Data Analysis	2017 ICSA China Conference: with the Focus on Lifetime Data Jilin City, China
2017	Semiparametric Analysis of Competing Risks Data under Double-Sampling Designs	2017 Duke-Industry Statistics Symposium Durham, NC
2018	Analysis of Longitudinal Data Anchored by Interval-Censored events	Department of Statistics Purdue University
2018	Model-Free Causal Inference in Observation Studies	Department of Statistics Fudan University, China
2018	Analysis of Longitudinal Data Anchored by Interval-Censored events	The 2 nd International Conference of Economics and Statistics Hong Kong, China
2018	Semiparametric Analysis of Competing Risk Data under Missing Cause of Failure	2017 ICSA China Conference: with the Focus on Data Science Qingdao, China
2018	Stepped Wedge Cluster Randomized Trials	Boehringer-Ingelheim Inc. China
2018	Model-Free Causal Inference in Observation Studies	Department of Biostatistics Georgetown University
2018	Semiparametric pseudolikelihood analysis of longitudinal data with interval-censored anchoring event	Department of Biostatistics University of North Carolina- Chapel Hill
2019	Semiparametric pseudolikelihood analysis of longitudinal data with interval-censored anchoring event	School of Mathematical Sciences Dalian University of Technology China
2019	Model-Free Causal Inference in Observation Studies	School of Mathematical Sciences Dalian University of Technology China
2019	On Shared Gamma-Frailty Conditional Markov Model for Semi-Competing Risks Data	School of Mathematical Sciences Dalian University of Technology China
2019	Semiparametric pseudolikelihood analysis of longitudinal data with interval-censored anchoring event	School of Mathematical Sciences Tongji University China
2019	On Shared Gamma-Frailty Conditional Markov Model for Semi-Competing Risks Data	2019 ICSA-China Conference Tiangjin, China Presented by Jing Li

Conference Presentations/Posters

<u>Year</u>	<u>Title</u>	<u>Organization</u>
2000	Algorithms on NPMLE with Censored	Joint Statistical Meetings,

	Data	Indianapolis, Indiana.
2002	Asymptotic on M-Estimation	Joint Statistical Meetings, New York, NY
2003	A Gamma-Frailty Model for Panel Count Data	Joint Statistical Meetings, San Francisco, CA
2005	Imputation Methods for Doubly Censored Survival Data with an Interval-censored Covariate. Zhang W, Zhang Y, Chaloner K.	Joint Statistical Meetings; Minneapolis, MN
2005	Multiple Comparisons for Linear Regression Lines	The 4 th International Conference on Multiple Comparison Procedures; Shanghai, China
2006	Estimation of Panel Count Data Using Monotone Splines (Lu M, Zhang Y, Huang J)	2006 ENAR Spring Meetings, Tampa, FL.
2006	Statistical Considerations for the Carotid Occlusion Surgery Study (COSS) (Zhang Y, Clarke W, Powers W)	27 th Annual Meeting of the Society for Clinical Trials, Orlando, FL
2006	Nonparametric Inference for Panel Count Data	Joint Statistical Meetings, Seattle, WA
2006	Estimation of the Mean Function of Panel Count Data Using Monotone Polynomial Splines (Lu M, Zhang Y, Huang J)	Joint Statistical Meetings, Seattle, WA
2006	A Bayesian Pooled Analysis of Doubly Censored HIV Data Using the Hierarchical Cox Model (Zhang W, Chaloner K, Zhang Y, Cowles MK)	Joint Statistical Meetings, Seattle, WA
2007	Semiparametric Analysis of Panel Count Data with Polynomial Monotone Spline (Lu M, Zhang Y, and Huang J)	2007 ENAR Spring Meetings Atlanta, GA (Student Paper Award)
2007	Inference on Association Measure for Bivariate Survival Data with Hybrid Censoring and Application to an HIV Study (Zhang S, Zhang Y, and Chaloner K)	2007 ENAR Spring Meetings Atlanta, GA
2008	Inference on Association measure for Bivariate Survival Data (Zhang S, Zhang Y, Chaloner K, and Stapleton JK)	2008 ENAR Spring Meetings Arlington, VA

2009	Spline-Based Sieve Semiparametric Estimating Equation Method for Panel Count Data (Hua L, Zhang Y)	2009 ENAR Spring Meetings San Antonio, TX (Student Paper Award)
2010	A Flexible Futility Monitoring Method with Time-Varying Conditional Power Boundary	Joint Statistical Meetings, Vancouver, BC, Canada

Visiting Professorships

<u>Year</u>	<u>Location</u>
6/01-6/30,	School of Mathematics Fudan University, China
2008-10	Senior Visiting Professor in Applied Mathematics
6/7-6/28	Department of Mathematics
2011	Shanghai Jiao Tong University, China Senior Visiting Professor in Statistics
6/2013-5/2019	Department of Mathematics Shanghai Jiao Tong University, China Visiting Chair Professor in Statistics

Areas of Research Interest/Current Projects

Non- and Semiparametric Statistical Inference
 Statistical Models for Panel Count and Interval-Censored Data
 Joint Models of Longitudinal and Survival Data Analysis
 Statistical Computing and Machine Learning
 Causal Inference
 Clinic Trials
 Design of Pragmatic Trials
 Statistical Disease Progression Modeling for Huntington Disease